1978 PLANS

PROJECT TITLE: Filter and Cigarette Process Development

CHARGE CODE: 2105

PROGRAMS:

I. WRAPLESS FILTER

Develop a wrapless filter making process using microwave energy to bond CA fibers.

A.	Refinement of process and equipment for production use.	2nd Quarter, 1978
B.	Process definition and transfer to MFG Engineering.	3rd Quarter, 1978

II. FORMED FILTER

Develop a process for forming patterns on the exterior of wrapless filters.

A.	Equipment development and testing.	1st Quarter, 1978
B.	Prototype production equipment development.	3rd Quarter, 1978
C.	Process definition.	4th Quarter, 1978

III. HIGH SURFACE AREA CA

Using microwave wrapless plugmaking technology to develop a method to increase surface area of CA with the addition of liquid additives.

A.	Process experimentation.	2nd Quarter, 1978
B.	Process definition.	4th Quarter, 1978

IV. PROJECT EXPO

Develop a foamed thermoplastic filter rod with >90% void space and <50% of the weight of a comparable CA fiber filter.

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A.	Process experimentation, lab scale.	3rd Quarter, 1978
B.	Scale-up process to production equipment.	4th Quarter, 1978

V. FOAMED CA

Develop a foamed cellulose acetate filter of equal weight and efficiency as a fiber CA filter.

A.	Basic lab experiments.	2nd Quarter, 1978
B.	Develop prototype equipment.	4th Quarter, 1978

VI. EXTRUSION SYSTEMS DEVELOPMENT

A.	Testing of high speed extrusion line.	1st Quarter, 1978
B.	Process definition and transfer of details to MFG Engineering.	2nd Quarter, 1978

VII. HIGH RTD-LOW EFFICIENCY FILTER

Develop a process for the manufacture of high RTD-low efficiency CA filters.

A.	Feasibility study.	1st Quarter, 1978
B.	Prototype equipment development.	3rd Quarter, 1978

VIII. ASSISTANCE TO MANUFACTURING

Assist MFG in process problems involving adhesives, extrusion, etc. — Continuous

IX. ADVANCED PROCESS TECHNOLOGIES

Study and investigate advanced technologies pertaining to filter and cigarette making processes. — Continuous

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